

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2710	"2-Butoxyethanol acetate" "2-Butoxyethyl acetate" "Butyl Cellosolve Acetate" "Butyl glycol acetate" "Ektasolve EB Acetate" "Ethylene glycol butyl ether acetate" "Ethylene glycol monobutyl ether acetate" "Ethylene Glycol Mono-n-butyl Ether Acetate" "n-Butyl Cellosolve Acetate"	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:51
L2	397	(252/700).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/23 14:21
L3	1	1 and 2	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:43
L4	65955	lumines\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:44
L5	37657	chemilumines\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:44
L6	37	1 and (4 5)	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:46
L7	206158	peroxide	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:46
L8	964	1 and 7	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:46
L9	48	1 same 7	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 13:46
L10	151	"2-Butoxyethanol acetate" "2-Butoxyethyl acetate" "Butyl Cellosolve Acetate" "Butyl glycol acetate" "Ektasolve EB Acetate" "Ethylene glycol butyl ether acetate" "Ethylene glycol monobutyl ether acetate" "Ethylene Glycol Mono-n-butyl Ether Acetate" "n-Butyl Cellosolve Acetate"	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 14:06

## EAST Search History

L11	173	"2-(2-butoxyethoxy)-Ethanol acetate" "2-(2-Butoxyethoxy)ethyl acetate" "2-(2-n-Butoxyethoxy)ethyl Acetate" "Diethylene Glycol Butyl Ether Acetate" "Diethylene glycol monobutyl ether acetate" "Diethylene Glycol Mono-n-butyl Ether Acetate" "Diglycol Monobutyl Ether Acetate" "Butyl Carbitol Acetate" "n-Butyl Carbitol Acetate"	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 14:16
L12	161	11. not 10	EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/23 14:08
L13	2227	"2-(2-butoxyethoxy)-Ethanol acetate" "2-(2-Butoxyethoxy)ethyl acetate" "2-(2-n-Butoxyethoxy)ethyl Acetate" "Diethylene Glycol Butyl Ether Acetate" "Diethylene glycol monobutyl ether acetate" "Diethylene Glycol Mono-n-butyl Ether Acetate" "Diglycol Monobutyl Ether Acetate" "Butyl Carbitol Acetate" "n-Butyl Carbitol Acetate"	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:16
L14	1	2 and 13	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:17
L15	17371	"2-(2-Butoxyethoxy)ethanol" "2-(2-n-Butoxyethoxy)ethanol" "o-butyl diethylene glycol" "3, 6-Dioxa-1-decanol" "3, 6-Dioxadecanol" "diethylene db" "Diethylene Glycol Butyl Ether" "Diethylene glycol, monobutyl ether" "Diethylene Glycol Mono-n-butyl Ether" "diethylene glycol n-butyl ether" "diglycol monobutyl ether" "butoxydiethylene glycol" Butoxydiglycol "butyl dioxitol" "Butyl Carbitol" "dowanol db" "Dowanol OR" "ektasolve db" "glycol ether db" "Glycol, monobutyl ether" "jeffersol db" "n-Butyl Carbitol" "poly-solv db"	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:24
L16	3	2 and 15	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:30
L17	1	("3816326").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/23 14:32

## EAST Search History

L18	43666	"2-butoxy-1-ethanol" "2-Butoxy ethanol" "monobutyl ether of ethylene glycol" "monobutyl glycol ether" "n-butoxyethanol" "n-Butyl Cellosolve" "poly-solv eb" "2-BUTOXY ETHANOL" "ETHYLENE GLYCOL MONOBUTYL ETHER" "o-butyl ethylene glycol" "2-n-Butoxy-1-ethanol" "2-n-Butoxyethanol" "3-oxa-1-heptanol" "Beta-butoxyethanol" BUCS butoxyethanol cellosolve "butyl glycol" "Butyl oxitol" "Dowanol EB" "Ektasolve EB" "Ektasolve EB solvent" "Ethylene glycol butyl ether" "Ethylene glycol mono butyl ether" "Ethylene glycol monobutyl ether" EGBE "2-Butoxyet" "Ethylene Glycol Mono-n-butyl Ether" "Ethylene glycol n-butyl ether" "gafcol eb" "glycol butyl ether" "glycol ether eb" "glycol ether eb acetate" "Jeffersol EB"	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:36
L19	6	2 and 18	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:46
L22	8683	cellosolve near3 acetate	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:47
L23	0	2 and 22	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:47
L24	582880	acetate	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:47
L25	170	2 and 24	US-PGPUB; USPAT; USOCR	OR	ON	2006/06/23 14:47

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	1	("20030102467").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/23 10:26
L2	134496	citrate	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:26
L3	1	1 and 2	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:26
L4	1	("20040238803").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/23 10:27
L5	35829	chemiluminescen\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:27
L6	13065	2 and 5	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:27
L7	55305	oxalate	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:28
L8	1586	6 and 7	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:28
L9	234043	fluorescen\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:28
L10	1434	8 and 9	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:28
L11	204658	peroxide	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:28
L12	420	10 and 11	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:28
L13	19258	citrate with benzoate	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:28
L14	20074	12 qand 13	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:29
L15	61	12 and 13	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:29

## EAST Search History

L17	13756	ether adj acetate	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:29
L18	1	15 and 17	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:30
L19	1	12 and 17	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 10:31
L20	396	(252/700).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/05/23 10:31

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	2684	"2-Butoxyethanol acetate" "2-Butoxyethyl acetate" (Butyl adj Cellosolve adj Acetate) (Butyl adj glycol adj acetate) (Ektasolve adj EB adj Acetate) (Ethylene adj glycol adj butyl adj ether adj acetate) (Ethylene adj glycol adj monobutyl adj ether adj acetate) (Ethylene adj Glycol adj "Mono-n-butyl" adj Ether adj Acetate) ("n-Butyl" adj Cellosolve adj Acetate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:56
L2	2420	" 2-(2-butoxyethoxy)-ethanol acetate" "2-(2-Butoxyethoxy)ethyl acetate" "2-(2-n-Butoxyethoxy)ethyl Acetate" (Butyl adj Carbitol adj Acetate) (Butyl adj diglycol adj acetate) (diEthylene adj glycol adj butyl adj ether adj acetate) (diEthylene adj glycol adj monobutyl adj ether adj acetate) (diEthylene adj Glycol adj "Mono-n-butyl" adj Ether adj Acetate) ("n-Butyl" adj Carbitol adj Acetate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:58
L3	37459	chemilumin\$	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:54
L4	134453	oxal\$6	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:54
L5	4487	1 2	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:53
L6	4	3 and 4 and 5	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:53
L7	149	"2-Butoxyethanol acetate" "2-Butoxyethyl acetate" (Butyl adj Cellosolve adj Acetate) (Butyl adj glycol adj acetate) (Ektasolve adj EB adj Acetate) (Ethylene adj glycol adj butyl adj ether adj acetate) (Ethylene adj glycol adj monobutyl adj ether adj acetate) (Ethylene adj Glycol adj "Mono-n-butyl" adj Ether adj Acetate) ("n-Butyl" adj Cellosolve adj Acetate)	EPO; JPO; DERWENT	OR	ON	2006/05/23 18:54

## EAST Search History

L8	174	" 2-(2-butoxyethoxy)-ethanol acetate" "2-(2-Butoxyethoxy)ethyl acetate" "2-(2-n-Butoxyethoxy)ethyl Acetate" (Butyl adj Carbitol adj Acetate) (Butyl adj diglycol adj acetate) (diEthylene adj glycol adj butyl adj ether adj acetate) (diEthylene adj glycol adj monobutyl adj ether adj acetate) (diEthylene adj Glycol adj "Mono-n-butyl" adj Ether adj Acetate) ("n-Butyl" adj Carbitol adj Acetate)	EPO; JPO; DERWENT	OR	ON	2006/05/23 18:54
L9	3493	chemilumin\$	EPO; JPO; DERWENT	OR	ON	2006/05/23 18:54
L10	19565	oxal\$6	EPO; JPO; DERWENT	OR	ON	2006/05/23 18:55
L11	310	7 8	EPO; JPO; DERWENT	OR	ON	2006/05/23 18:55
L12	0	9 and 10 and 11	EPO; JPO; DERWENT	OR	ON	2006/05/23 18:55
L13	312	(alkoxyethanol adj acetate) (alkoxyethyl adj acetate) (alkyl adj Cellosolve adj Acetate) (alkyl adj glycol adj acetate) (Ethylene adj glycol adj alkyl adj ether adj acetate) (Ethylene adj glycol adj monoalkyl adj ether adj acetate) (Ethylene adj Glycol adj "Mono-n-alkyl" adj Ether adj Acetate) ("n-alkyl" adj Cellosolve adj Acetate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:58
L14	36	" 2-(2-alkoxyethoxy)-ethanol acetate" "2-(2-alkoxyethoxy)ethyl acetate" "2-(2-n-alkoxyethoxy)ethyl Acetate" (alkyl adj Carbitol adj Acetate) (alkyl adj diglycol adj acetate) (diEthylene adj glycol adj alkyl adj ether adj acetate) (diEthylene adj glycol adj monoalkyl adj ether adj acetate) (diEthylene adj Glycol adj "Mono-n-alkyl" adj Ether adj Acetate) ("n-alkyl" adj Carbitol adj Acetate)	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:59
L15	326	13 14	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:59
L16	1	3 and 4 and 15	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/23 18:59

10820844

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'BIB,AB' IS NOT VALID HERE  
For an explanation, enter "HELP DISPLAY HISTORY".

=> d bib,ab

L7 ANSWER 1 OF 1 CA COPYRIGHT 2006 ACS on STN

AN 141:417583 CA

TI **Chemiluminescent** compositions

IN Yamate, Tetsuro

PA Lumica Corporation, Japan

SO Eur. Pat. Appl., 8 pp.

CODEN: EPXXDW

DT Patent

LA English

FAN.CNT 1

	PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
PI	EP 1477545	A1	20041117	EP 2004-252166	20040414
	R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, PL, SK, HR				
	JP 2004331947	A2	20041125	JP 2004-60652	20040304
	US 2004238803	A1	20041202	US 2004-820844	20040409
PRAI	JP 2003-108501	A	20030414		

AB **Chemiluminescent** compns. which comprise an oxalate and a fluorescent material in an appropriate solvent, the compns. being mixed with a composition including hydrogen peroxide to induce **chemiluminescence** are described in which the solvent includes an acetyl citrate ester. The solvent may contain addnl. organic materials such as benzoates. Di-Bu phthalate, which is used in the conventional solvent, is suspected to be an endocrine-disrupting chemical, so using the solvent specified in the present invention improves the degree of safety to humans. The hydrogen peroxide-containing compns. preferably use solvents including t-butanol and  $\geq 1$  (di)ethylene glycol monoalkyl ether acetate.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

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=> d l11 bib,ab

L11 ANSWER 1 OF 1 CA COPYRIGHT 2006 ACS on STN

AN 141:417583 CA

TI **Chemiluminescent** compositions

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PA Lumica Corporation, Japan

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6/22/06



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JP 2004331947	A2	20041125	JP 2004-60652	20040304
US 2004238803	A1	20041202	US 2004-820844	20040409
PRAI JP 2003-108501	A	20030414		

AB **Chemiluminescent** compns. which comprise an oxalate and a fluorescent material in an appropriate solvent, the compns. being mixed with a composition including hydrogen peroxide to induce **chemiluminescence** are described in which the solvent includes an acetyl citrate ester. The solvent may contain addnl. organic materials such as benzoates. Di-Bu phthalate, which is used in the conventional solvent, is suspected to be an endocrine-disrupting chemical, so using the solvent specified in the present invention improves the degree of safety to humans. The hydrogen peroxide-containing compns. preferably use solvents including t-butanol and  $\geq 1$  (di)ethylene glycol monoalkyl ether acetate.

RE.CNT 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD  
ALL CITATIONS AVAILABLE IN THE RE FORMAT

=> s (glow stick#) or glowstick#  
30184 GLOW  
18937 STICK#  
0 GLOW STICK#  
(GLOW(W)STICK#)  
0 GLOWSTICK#  
L12 0 (GLOW STICK#) OR GLOWSTICK#

=> => d bib,ab; d his

L19 ANSWER 1 OF 1 CA COPYRIGHT 2006 ACS on STN  
AN 116:135528 CA  
TI Performance-oriented packaging standards; changes to classification, hazard communication, packaging and handling requirements based on UN standards and agency initiative  
CS United States Dept. of Transportation, Washington, DC, 20590-0001, USA  
SO Federal Register (1990), 55(246), 52402-729, 21 Dec 1990  
CODEN: FEREC; ISSN: 0097-6326  
DT Journal  
LA English  
AB The hazardous materials regulations under the Federal Hazardous Materials Transportation Act are revised based on the United Nations recommendations on the transport of dangerous goods. The regulations cover the classification of materials, packaging requirements, and package marking, labeling, and shipping documentation, as well as transportation modes and handling, and incident reporting. Performance-oriented stds. are adopted for packaging for bulk and nonbulk transportation, and SI units of measurement generally replace US customary units. Hazardous material descriptions and proper shipping names are tabulated together with hazard class, identification nos., packing group, label required, special provisions, packaging authorizations, quantity limitations, and vessel stowage requirements.

(FILE 'HOME' ENTERED AT 12:49:13 ON 23 JUN 2006)

FILE 'CA' ENTERED AT 12:49:22 ON 23 JUN 2006

FILE 'REGISTRY' ENTERED AT 12:49:26 ON 23 JUN 2006

L1 0 S ETHYLENE GLYCOLMONOBUTYL ETHER ACETATE

6/22/06

10820844

L2 4 S ETHYLENE GLYCOL MONOBUTYL ETHER ACETATE  
L3 1 S 112-07-2/RN  
L4 1 S DIETHYLENE GLYCOL MONOBUTYL ETHER ACETATE

FILE 'CA' ENTERED AT 12:51:53 ON 23 JUN 2006

L5 1104 S L3 OR L4  
L6 30508 S CHEMILUMIN?  
L7 1 S L5 AND L6

FILE 'REGISTRY' ENTERED AT 12:54:35 ON 23 JUN 2006

L8 25 S ETHYLENE GLYCOL MONO##### ETHER ACETATE  
L9 4 S DIETHYLENE GLYCOL MONO##### ETHER ACETATE

FILE 'CA' ENTERED AT 12:55:49 ON 23 JUN 2006

L10 3024 S L8 OR L9  
L11 1 S L6 AND L10  
L12 0 S (GLOW STICK#) OR GLOWSTICK#

FILE 'REGISTRY' ENTERED AT 12:57:51 ON 23 JUN 2006

L13 3346 S HYDROGEN PEROXIDE  
L14 1 S HYDROGEN PEROXIDE/CN

FILE 'CA' ENTERED AT 12:58:28 ON 23 JUN 2006

L15 433 S L14\  
L16 94452 S L14  
L17 39 S L10 AND L16  
L18 54992 S OXALATE#  
L19 1 S L17 AND L18

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